

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01500 - TEMPORARY FACILITIES AND USE OF CONSTRUCTION SITE

PART 1 - GENERAL

1.01 - RELATED DOCUMENTS

- A. Specifications and general provisions of Contract, including General Conditions and other Division 1 specification sections, apply to work of this section.

1.02 - TEMPORARY CONSTRUCTION

- A. The Contractor shall provide all work required for access to the site and for protection of buildings, site and persons.
- B. All work shall meet applicable Building Codes and Local, State or Federal regulations.
- C. Remove all temporary facilities from premises upon completion, or earlier if so directed by EPA's On-Site Representative.

1.03 - BARRIERS AND ENCLOSURES

- A. Provide barriers as required to keep people and vehicles away from hazardous conditions and areas.
- B. Required exitways from buildings and site shall be maintained as directed by the EPA.

1.04 - ACCESS TO AND PROTECTION OF SITE

- A. Existing driveways may be used, but vehicles shall not be parked on same.
- B. Sidewalks were designed for pedestrian traffic only, and no other traffic shall be allowed over them.
- C. Prior to beginning construction the Contractors shall record, through photographs and marked-up plans, all areas of damaged and defective paving, sidewalks and existing building components not included in the construction area. FAILURE TO DO THIS WILL MAKE CONTRACTOR RESPONSIBLE FOR REPAIRS WITHOUT ADDITIONAL COMPENSATION.
- D. All roads, drives and walks, including public property, shall be kept free of mud and debris by the Contractor.

Failure to clean surfaces will result in surfaces being cleaned at Contractor's expense.

- E. Where paved areas, slabs, curbs, floors, etc. are exposed to possibility of damage, protect with heavy planking.
- F. Repair or replace streets, drives, curbs, lawns, etc., damaged in connection with the work, to the satisfaction of the EPA. Repair/replacement to be at Contractor's expense. Concrete walks damaged during construction to be replaced to next adjacent expansion or contraction joints.
- G. Arrange and maintain materials in orderly manner with use of walks, drives, roads, entrances unencumbered.

1.05 - SECURITY

- A. The Prime Contractor shall be responsible for maintaining the security for the entire project work during all phases of construction. The type and scheduling of security shall be approved by the EPA.
- B. The Prime Contractor shall be responsible for safeguarding ALL WORK in place or materials on storage at site or off-site and he shall be responsible for ALL losses from theft or any other type of damage. The Owner or EPA's On-Site Representative will not be responsible for any materials, in storage or installed, equipment or tools until completion of the work.
- C. The EPA's On-Site Representative will not be responsible for loss by theft of any material, equipment or tools stored at site.

1.06 - PROTECTION OF EXISTING BUILDINGS

- A. All work shall cause least possible interference with operation of existing buildings.
- B. The Contractor shall provide adequate protection for all parts of the buildings, its contents and occupants, wherever work is performed. Provide temporary partitions as required.
- C. Prior approval of EPA's On-Site Representative must be obtained before doing any cutting not shown.
- D. Existing work damaged or defaced, due to work under this Contract, shall be restored to original condition.
- E. The Contractor shall provide necessary barriers, warning signs, and other devices to insure that proper safety

precautions are taken to prevent injury caused by his action to any person or damage to the property.

- F. All the work shall be scheduled with the EPA's On-Site Representative so the operations of the building will be maintained at all the times.
- G. Preserve fire exits of existing buildings during construction, when occupied.

1.07 - PROTECTION OF WORK FROM WEATHER AND WATER

- A. The Contractor and Subcontractors shall provide constant protection against weather and temperature to maintain work, materials, apparatus and fixtures free from damage. Remove work damaged by failure to provide protection, replace with new work without extra cost to the EPA.

1.08 - PROTECTION OF GLAZING

- A. Prime Contractor shall protect all glazing of the building from damage with protective screens, if required.

1.09 - INTERRUPTION OF SERVICES

- A. All work shall be carried on without interference to the EPA's use of premises outside of construction area. If necessary to restrict use temporarily, arrangements shall be made through EPA's On-Site Representative not less than fourteen (14) calendar days before restriction.
- B. All cutting or alteration work which may require shutting down of existing apparatus or service lines shall be done only at time scheduled with approval of EPA's On-Site Representative, prior to shutdown. At no time shall steam, water, fire line, electric power, security, phone, sewer or signal system be left out of service overnight or any non-working day.
- C. EPA's On-Site Representative shall be notified immediately upon encountering any piping, conduit, underground or structural condition not shown or foreseen.
- D. If necessary to block off any street, road, or access, arrangements shall be made through the EPA's On-Site Representative not less than fourteen (14) calendar days before restriction.

- E. Accidental interruptions of building services shall be reported to the EPA's On-Site Representative at once, and immediate emergency efforts to restore the service shall be made at the expense of the Contractor.
- F. DOWN TIME MUST BE KEPT TO A MINIMUM.

1.10 - PARKING AND DELIVERIES

- A. Parking for Contractors, Subcontractors and employees of Contractors and Subcontractors shall be permitted at the extreme end of the parking lot.
- B. The Contractors and Subcontractors shall schedule deliveries with the EPA. All deliveries must be received by the installing contractor. The EPA will not receive any deliveries.
- C. Each Contractor may use the driveways for access to the site, but in doing so shall not park vehicles there and shall cause occupancy of driveways to be safe and brief.

1.11 - TEMPORARY STORAGE

- A. Each Contractor shall provide and maintain on premises where directed, watertight storage shed or sheds for storage of materials which may be damaged by weather. Provide such sheds with wood floor, raised above ground. Storage trailer is also acceptable. Location indicated on plans.
- B. Storage of materials shall be confined to spaces designated.
- C. Should it be necessary at any time to move materials, trailer, sheds, or storage platforms, responsible Contractor shall move same as and when directed, without extra compensation.
- D. Sufficient space on site for tools and material storage will be arranged by the EPA's On-Site Representative. Entrance for employees and materials will also be directed by the EPA.
- E. Paint and other flammable materials shall be stored only at location approved by the EPA.

1.12 - TEMPORARY UTILITIES

- A. TEMPORARY SANITARY FACILITIES
Use of existing toilet facilities for all workmen will be permitted if proper care is maintained.

- B. TEMPORARY ELECTRIC POWER AND LIGHTING
The use of existing electric system will be allowed if properly protected. In case of damage, it will be the responsibility of Electrical Contractor to repair it to acceptable condition.

Electrical Contractor shall furnish and install temporary lighting for construction area illumination.

All Contractors requiring extensions for power tools shall provide their own up to 20 amperes.

Contractors requiring welders shall provide their own source of power.

The EPA shall pay for all power used for construction purpose, with exception of welders and large equipment.

- C. TEMPORARY WATER
EPA shall provide an adequate, temporary water supply available to all Contractors and Subcontractors, from an existing source.

All water consumed shall be paid for by EPA.

- D. TEMPORARY PHONE
By Prime Contractor as required. Long distance calls to be paid by User. Project foreman shall have a digital or voice pager or cell phone at all times and must be accessible.

- E. PRECAUTIONS DURING BUILDING OPERATIONS:
All contractors to comply with the Michigan State Building Code during construction.

1.13 - PERIODIC CLEAN-UP AND REMOVAL OF RUBBISH

- A. Prime Contractor to remove debris on a daily basis. Use covered containers to remove materials and debris from site.
- B. Contractor and each Subcontractor to clean-up daily all trash and leftovers.
- C. The EPA reserves the right to notify the Contractor that after a lapse of five (5) days, the EPA will have the construction area cleaned, at the applicable Contractor's expense.

1.14 - REPAIRS AND PATCHING

- A. When repairing or patching building components during construction, Contractor to adhere to the relevant contract specifications for all work. The quality will be based upon the standards established in the specifications and judged by the EPA's On-Site Representative. When repair work involves items not covered in project specifications, Contractor to consult the EPA's On-Site Representative to establish acceptable standards.
- B. Employ workmen skilled in the trade required to patch components.
- C. Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.
- D. Where patching occurs in a smooth painted surface, extend final paint coat over entire unbroken containing the patch, after the patched area has received primer and second coat.

END